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TO: Examiner Lankford  
FIRM: USPTO  
FACSIMILE No.: 571-273-0971; 571-273-8300  
OUR REF.: CYTH.000GEN  
YOUR REF.: USSN 11/584,202; USSN 10/614,431; 10/614,392; 10/614,638; and  
10/614,643  
FROM: Eric Furman  
OPERATOR: Kathleen Mekjian  
DATE: December 28, 2007  
TIME: 9AM EST  
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To: Examiner Leon Lankford, Group Art Unit 1651  
Fax No: 571-273-0917/571-273-8300

From: Eric S. Furman, Reg. No. 45, 664

Re: **SYSTEMS AND METHODS FOR TREATING PATIENTS WITH PROCESSED  
LIPOASPIRATE CELLS**

Serial No's.: 11/584,202; 10/614,431; 10/614,392; 10/614,638; 10/614,643

Filed: July 7, 2003

Date: December 28, 2007

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Dear Examiner Lankford,

Please find the attached proposed claims for discussion at our interview scheduled for 10:00AM on January 8, 2008. I have included the allowed claim in Application No. 10/614,644 and proposed claims in related applications. The portions of the proposed claims that differ from the allowed claim are highlighted. I look forward to our meeting on January 8, 2008 and moving the prosecution of the cases forward. Please call me at 619-687-8463 (direct) at your earliest convenience if you have any questions.

Best regards,

*Eric Furman*

Eric Furman  
Attorney  
Reg. No. 45,664

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**USSN: 10/614,644 ALLOWED CLAIM**

A self contained adipose-derived stem cell processing unit, comprising:

a tissue collection container configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline;

a cell collection chamber, which is configured to receive and concentrate a population of cells that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells.

#### USSN 11/584,202 (CYTH.002C1) - PROPOSED CLAIM

A self-contained adipose-derived stem cell processing unit, comprising:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a chamber of said said

wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells.

#### USSN 10/614,431 (CYTH.002DV1) - PROPOSED CLAIM

A method of processing a cell population that comprises adipose-derived stem cells comprising:

removing adipose tissue that comprises a cell population that comprises adipose-derived stem cells from a patient;

introducing the removed adipose tissue that comprises said cell population to a self-contained adipose-derived stem cell processing unit configured to maintain a closed pathway, wherein said self-contained

adipose derived stem cell processing unit comprises:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a centrifuge or a spinning membrane filter, and wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells;

separating and concentrating said cell population that comprises adipose-derived stem cells from said removed adipose tissue within a self-contained cell processing unit while maintaining said closed pathway; and  
said unit said concentrated cell population that comprises adipose-derived stem cells within said additive.

#### USSN 10/614,392 (CYTH.002DV2) - PROPOSED CLAIM

separating and concentrating said cell population that comprises adipose-derived stem cells; comprising  
removing adipose tissue that comprises a cell population that comprises adipose-derived stem cells from a patient  
maintaining the removed adipose tissue that comprises said cell population that comprises adipose-derived stem cells; and a self-contained adipose-derived stem cell processing unit configured to maintain a closed pathway, wherein said self-contained adipose derived stem cell processing unit comprises:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a centrifuge

or a spinning membrane filter, and wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells;

separating and concentrating said cell population that comprises adipose-derived stem cells from said removed adipose tissue within said self-contained cell processing unit while maintaining said closed pathway; and

collecting said concentrated cell population that comprises adipose-derived stem cells.

#### USSN 10/614,643 (CYTH.002DV5) - PROPOSED CLAIM

A method of processing a cell population that comprises adipose-derived stem cells comprising:

extracting a first portion of adipose tissue that comprises a cell population that comprises adipose-derived stem cells from a patient;

introducing the removed first portion of adipose tissue that comprises said cell population into said self-contained adipose-derived stem cell processing unit;

a self-contained adipose-derived stem cell processing unit configured to maintain a closed pathway, wherein said self-contained adipose derived stem cell processing unit comprises:

a tissue collection container that is configured to receive adipose tissue that is removed from a patient, wherein said tissue collection chamber is defined by a closed system;

a first filter that is disposed within said tissue collection container, which is configured to retain adipose tissue and pass lipid, blood, and saline,

a cell collection chamber, which is configured to receive and concentrate a cell population that comprises adipose-derived stem cells from said tissue collection container, wherein said cell collection container comprises a centrifuge or a spinning membrane filter, and wherein said cell collection container is within said closed system; and

an outlet configured to allow the aseptic removal of said concentrated population of cells that comprise adipose-derived stem cells;

epitaxial and convergent and cell population that comprises adjacent pericardial cells from said pericardial cells portion of adipose tissue within said self-contained cell processing unit while maintaining said closed pathway to maintain a concentrated cell population like common X adipose-derived stem cells.

having said concentrated cell population that contains adipose-derived stem cells with a second portion of adipose tissue, adipose tissue from said adipose tissue.

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